

Spring 2010

Date		Topic	Tasks	Notes
March	Tu	16	Complementation of the gi5-1 mutation	
			Course overview GA overview/ Discussion Pipette use DNA extraction, part I	
	Th	18	DNA extraction, part II TAIR-database PCR lecture	
	Tu	23	Primer design PCR Collect transformed seeds, sterilize and plate	(Transformation performed with Sean Weise)
	Th	25	Restriction digestion of DNA DNA electrophoresis DNA Ligation	
	Tu	30	Transform E. coli Jay: genes in other species Bioinformatics I: expression analysis	
April	Th	1	Plasmid Minipreps Send for Sequencing Transfer transformed seedlings to soil	
	Tu	6	Sequence analysis Bioinformatics II: Blast, sequence comparison	
	Th	8	GA regulation of starch degradation	
			Amylase I Overview Cut and imbibe barley seeds	
	Tu	13	Amylase II Protein/enzyme lecture GA dilutions Start seed induction	
	Th	15	Amylase III Assay protein Prepare for amylase enzyme assay	
	Tu	20	Amylase IV PAGE and western lecture Assay alpha-amylase	
	Th	22	Amylase V PAGE and western Discuss amylase activity results	
	Tu	27	Amylase VI Develop western blot Analyze and discuss amylase western data	
	Th	29	Analyze transformed plants Discussion of results	
May	Fri	7	FINAL	